Unit 1 Day 4 Ws Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per \_\_\_\_

# missed \_\_\_\_\_\_\_\_ Time \_\_\_\_\_\_\_\_

Graph by hand to find the solutions to the systems.

1. -x + 2y = 2 2. x + y = 0 3. -x + 2y = 1

 3x + y = 15 3x - 2y = 10 x - y = 2

4.  5. x - y = -4 6. 2x + y = 6

x + 2y = 5 -4x - 2y = -12



Solve the systems of equations using a graphing calculator.

7.  8.  9. 

10.  11.  12. 

\*13. Use the given information to \*14. Find the equation that is perpendicular to

answer the questions. y = -2 and goes through the point (5,3).

|  |  |
| --- | --- |
| Hours studying per week | GPA |
| 1 | 1.5 |
| 4 | 3 |
| 6 | 3.5 |
| 10 | 3.9 |
| 12 | 4.0 |

A) What is the equation of the

line of best fit?

B) Is this a good line to use

when predicting?

C) If a person studies for 7

hours a week, what would

you expect their grade point

average to be?

D) If a person studies for 20

hours a week, what is their

GPA? Does this make sense?